



W2NPT

The Resonator

Volume 2, Number 1

www.FairLawnARC.org

January 2017

The Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

From The President:

Dear Fair Lawn Amateur Radio Club Members,

Our 60th anniversary year was a banner year for us with all the activities including having the CEO of ARRL and all of the other technical guest speakers. There was National Parks on the Air which was written up in *QST* and *CQ*, October was Amateur Radio month in Fair Lawn Borough, and Field Day was a smashing success. All of this was only possible because of ALL the members who donated their time, talent and sometimes treasure to make this all happen.

As Vice President, I have learned a lot and am looking forward to using this gained knowledge to make 2017 even better than the past year. Every Friday night at the club is a learning experience for me as I interact with club members. I feel personal contact with everyone is so important.

Remember we are not just call signs, but people working together to learn and promote amateur radio in all of its facets from oldest technologies to the latest craze. Most importantly "IT'S A HOBBY" and meant to be FUN.

In closing let me thank you in advance for all of your support and let's have fun doing it!

Judith, KC2LTM
President

Member Profile

NAME: **Fred Wawra**

CALL: **W2ABE**

What do you do/what did you do for a living?

I work as a life safety installation specialist, repair master technician for life safety equipment in healthcare facilities. I also have helped design system components and system layouts.

How did you get interested in ham radio?

I was interested in ham radio since I was a kid and heard the now silent key W2ABE on 80 meters. It took many years of raising a family and work to get to the point where I worked to get my ticket. I now hold an extra class license.

What parts of the hobby most interest you?

As far as what interests me is the past and the beginnings of the hobby, I have and work on radios from the crystal era and up to the late tube era. I also have and collect some special transistor radios. I like rag chewing and just generally getting to know other hams and especially learning from them which is a big reason why I am a life member of the Fair Lawn Amateur Radio Club.

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- 6,16** FLARC Field Day/NJ QSO Party Results



Pretty Soon We'll Need A New Wall!!



The clubhouse wall has added the town proclamation and a 60th anniversary plaque of recognition from the ARRL.

Club Apparel Is Here!!

2017 has arrived and club apparel is always in vogue. Red is always in and your club friends all have them...you *want* a shirt or jacket for Field Day!



Andre (N2JDH) shows off his shirt at the FLARC Auction

Go to www.hamthreads.com or visit <http://apparel.FairLawnARC.org> to check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC or the still-cool 60th anniversary logo.

Note: **RED** is the primary and preferred club brand standard shirt color.

SAVE THE DATE: January 20th

FLARC 2017 Speaker Series Features Frank Donovan (W3LPL)

"Recollections of Sixty Years of DXing and Contesting at W3LPL"

Frank's contesting career began in 1959 as a 12 year old at the Providence Radio Assn, W1OP/1, ARRL Field Day two miles from his home in Providence, RI. Soon afterwards, he began to build a small contest station on 1/10 acre in a densely populated urban neighborhood. Seventeen year old K1LPL finished first place USA in the 1964 ARRL CW DX Contest low power category.

Immediately after college, U.S. Air Force 2nd Lieutenant Frank Donovan's first military assignment was working with PVRC member W3GN and his multi-multi (multi-transmitter, multi-operator) mentor, W4BVV.

W3LPL finished first place USA single operator in four CQ WW CW and four ARRL CW DX contests from 1973-78. His first multi-multi experience was with the 1974 PJ9JT CQ WW CW team. W3LPL multi-multi teams started with a small entry in the 1978 CQ WW Phone DX contest.

During the 1982 ARRL Phone DX Contest, two incredible long nights of 10 meter JA runs unexpectedly produced our first USA multi-multi win. Our multi-multi teams have completed nearly one million QSOs and achieved 45 first place USA finishes (so far) out of 137 consecutive entries (without a single missed entry) in the CQ WW and ARRL DX Contests.

The Club

Fair Lawn ARC is the friendliest ham club around with five operating stations in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2017 Officers and Committees

President	Judith Shaw	KC2LTM
Vice President	Fred Wawra	W2ABE
Treasurer	Nancy Beattie	N2FWI
Secretary	Randy Smith	WU2S
Trustee	J Cooper	W2JC
Trustee	Dave Marotti	N8MAR
Trustee	Steve Wraga	WA2BYX
Field Day	Steve Wraga	WA2BYX
Speakers	Lowell Vant Slot	W2DLT
Publicity	Ed Efchak	WX2R
Publicity	Susan Frank	W6SKT
Publicity	Lowell Vant Slot	W2DLT
Publicity	Karl Frank	W2KBF
Social Media	Dave Marotti	N8MAR
Video/YouTube	Thom Guida	W2XTZ
Publicity	Judith Shaw (ex officio)	KC2LTM
Contest	Tom Stefanic	N2ST
VE Liaison	Gene Ottenheimer	WO2W
VE Liaison	Pete Senesi	KD2BMX
Education	Gordon Beattie	W2TTT
Education	Gene Ottenheimer	WO2W
Education	Lowell Vant Slot	W2DLT
Education	Ed Efchak	WX2R
History	Gene Ottenheimer	WO2W
History	Lowell Vant Slot	W2DLT
History	Rosalyn Roimisher	KD2GKA
Photographer	Don Cassarini	N2PRT
W2NPT Trustee	Paul Cornet	W2IP
Technical	Paul Cornet	W2IP
Technical	Randy Smith	NU2S
RACES Liaison	Steve Wraga	WA2BYX

Member Profile (Continued)

What does belonging to FLARC mean to you? How do you/can you better contribute to the club?

FLARC is a great association of members with an aggregate pool of knowledge and experience. I learn something every Friday night. I believe that I can help to make the next year as dynamic as the last and help move the club into newer technology while preserving the legacy of the past.

What should be the club's priorities in the next year?

The priorities are to move forward and make 2017 an exciting and a banner year embracing new and exciting technologies and ideas.

What else can you tell the club about yourself and/or ham radio?

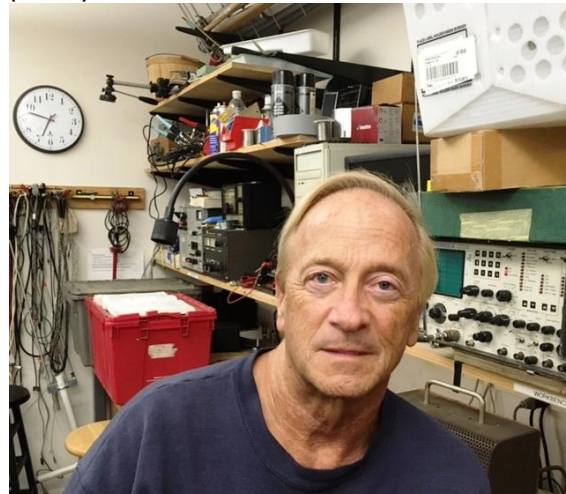
My interests besides ham and antique radios and antique clocks, some dating from Civil War times, collecting and refurbishing antique telephones, collecting telegraph equipment some of it very old. Aside from this I have a lot of stained glass items.

I have a Yeasu FT1200DX transceiver with a G5RV as my main setup. Also have an FT450 Yeasu rig and an older Icom just in case.

What other ham related clubs or organizations do you belong to?

I also belong to Split Rock ARA as a life member, Telephone Collectors International, The Antique Wireless Association, and ARRL as a life member.

(W2ABE) Fred



MASTER EVENT CALENDAR

January 1	Happy New Year!!
January 20	Frank Donovan (W3LPL) "60 Years of Contesting and DX'ing"
January 21-22	ARRL North American DX Party/VHF Contests
February TBD	Van (W2DLT) And His Cuban CQ WW Contest Adventure
February 20	FLARC Presentation To Fair Lawn Chamber of Commerce, American Legion/River Road
April TBD	Earth Day 2017 Special Event Station / Great Falls National Historical Park
UPCOMING ACTIVITIES	
June 24-25	Field Day
August 19-20	North American SSB QSO Party
September 16-17	NJ QSO Party
TBD	AREDN at the 2016 NYC Marathon/Gordon W2TTT
TBD	Frank Leonard Memorial Lecture
TBD	W1TP Enigma Presentation w/Fair Lawn Public Library (Now Early-Mid 2017)
TBD	Vintage Gear Night
TBD	Radio Astronomy and Amateur Radio
TBD	A Primer on JT 65 by Steve Ford WB8IMY (tentative)

A Change To Our Web Address: Please note that from January 1, 2017 our formal website address will change to FairLawnARC.org from flarc.net. It's a move to standardize all our correspondence. Both URL's will still get you to the same place.

FLARC 2017 Member Survey

January will bring the email 2017 Member Survey. When you receive it via Survey Monkey, please complete it as soon as possible.

Thanks!!



Hidetsugu Yagi's 130th Birthday Google Doodle

Follow FLARC ON THE WEB

Facebook:

<https://www.facebook.com/OfficialFLARC/>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

FLARC VEC Exams

Our next test session is scheduled for **Saturday, January 14th** beginning at 0900 at the Community Center. No advanced registration is required but always appreciated. The fee is \$15.00 (cash or check).

Please bring positive identification (license, passport, etc.), your original license or a copy, original CSCE or a copy (if credit is needed).

The full exam schedule is on the club calendar at the fairlawnarc.org website. For further information contact ve-liason@fairlawnarc.org. Please refer also to the "License Exams" link on the main website--

<http://testing.fairlawnarc.org>



FLARC Auction Feedback

At our December annual meeting Gene (WO2W) reported near-record club profits and attendance. The Publicity Committee sent a quick questionnaire to those whose email addresses we had collected (we received 42 responses) and the feedback was quite favorable. The crowd appreciated the pace of the evening, the food, the adherence to "no junk" rules about items and the "small lot" silent-bid tables that were kept away from the formal auction.

Other highlights:

- 59% had attended last year's auction
- 9% were new attendees
- 50% came because of a FLARC email
- 18% because of an ARRL email
- 23% because of another club email or notification
- 13% because of a friend
- 9% saw the listing in QST
- 48% noted that our auction was better than others that they had attended
- 33% said it was similar to others that they had attended
- 19% could not compare or did not know.

Important Repeater Change

Effective immediately, the new CTCSS encode/decode tone is **167.9 Hz** or EIA code 6Z. The DMR technical info remains unchanged.

The change was necessary to prevent an on-frequency wide spurious emission on 144.880 from keying the repeater. The spurious signal appeared about 3 weeks ago but was not related to the past ongoing transmit issue with the repeater itself.

FLARC AT 61

Strong Roots.....New Growth



Theoretics Demystified (the mechanics of theory)

If you are new to radio and or electronics, after crystal radios and spark transmitters the tube was the basis of modern radio and electronics until solid state. Tubes are often called hollow state. This brings us to how a tube works.

There is a heater (or filament, like a light bulb) which gives off electrons when heated by passing a current through it. Next is the grid, or screen surrounding the heater. Around this is a metal cylinder or 'plate'. The heater is called the cathode and in modern tubes is surrounded by a metal sleeve which acts as the cathode and isolates the heater mechanically and electrically.

The cathode is negative (b-) and the plate is positive (b+) Between is the 'control' grid. changing the voltage applied to the grid changes the electron flow between the cathode and plate. This leads us to the necessity of having 'bias' or negative voltage applied to the grid to achieve proper tube operation.

Bias sets the operating point of the tube along its conduction curve. A large (very negative potential) will force the tube to act as a rectifier as it will only react to the positive part of the signal waveform thereby acting as a detector. (It would be biased at or near it's cutoff point, where it stops conducting) A bias point chosen more along the linear part of the conduction curve will cause the tube to act as an amplifier.

Bias was originally provided by a battery but now is provided by a cathode resistor whose voltage drop causes it to be more negative than the grid which is held at b- by associated circuitry. Remember there is a current flow through the tube!!

The purpose of this column is bring the basics to those new to electronics and ham radio without the necessary complications.

de Fred W2ABE

The 2017 Member Survey Is Coming!!

In the week following the January business meeting, you'll be receiving our annual FLARC member survey. Issued by the Publicity committee, it's our annual census of member interests, activities and "wish-lists" around the club and ham radio in general.

Like last year's version, it will cover what you feel the club needs to do to continue to grow; the types of speakers you'd be interested in hearing; and what contributions you can make to the club.

We've expanded our questions to your operating interests and activity. We'd also like to know more about how you follow amateur radio and learn about things.

The questionnaire will come to you via your inbox with a subject : "From Survey Monkey". We'll also have some paper questionnaires available at the club for those who don't access email (!) or just want to do it on paper.

When you see the questionnaire, please fill it out quickly and return it. We'd like to compile it and possibly present the results at the February business meeting to give you quick feedback on 2017 plans and what your fellow members are up to.

Thanks!!



2017 DUES ARE DUE

Don't forget to write a check or see our officers/Treasurer for your payment.

Do it NOW-- while you're reading this
And thinking about it.

Renewal is \$25.00 payable to:
Fair Lawn Amateur Radio Club

Congratulations To Our 2017 Officers!

Judith Shaw (KC2LTM), President;
Fred Wawra (W2ABE), Vice President,
Nancy Beattie (N2FWI), Treasurer, and
Randy Smith (WU2S), Secretary.

Our new trustee is Jim (W2JC).

A big thanks to our retiring trustee, Skip Barker (KD2BRV).

And... a large measure of thanks as well to
Karl Frank (W2KBF) for his outstanding service
as FLARC President for the last two years. .

Congratulations to all and thanks for your dedication
and service to the club!!

Welcome New Members!

*FLARC is proud to welcome the following
new members:*

Dave Gotlib (KD2MOB)
Elliott Wu (KD2KLR)
Rick Dewald (N2ZJY)

Welcome aboard!! Get involved... have fun!!

December Blog Traffic

December turned out to be a high traffic month driven in part by the auction and the Tom Gallagher presentation. Here is the data:

	December 2015	December 2016	Change
Views	152	476	+213%
Visitors	54	127	+135%
Posts	8	10	+25%

There is new content nearly every day so it's really worth the look to both fairlawnarc.org and the blog.

<http://blog.FairLawnARC.org>

Tech Talk

Look, Up In The Sky (Part 2) ...

Last August I introduced you to the SatNOGS project where participant can help build a network of satellite ground stations. This month I want to tell you about another project that involves satellites, radio, SDR (software defined radios) receivers, tracking antennas and 3D printing.

That project is ThumbSat at www.thumbSAT.com. The project is designed to appeal to advanced high school and STEM academy pupils as well as college students. The project teams says, "ThumbSat was born from our own frustration at not being able to find someone to get our own experiment into space quickly, cheaply and efficiently, despite our space engineering experience and contacts, and the advances in miniaturization. Your experiment can be as simple as just using the on-board capability of ThumbSat, such as the camera, radio, GPS and temperature sensors."

They are selling a high-quality ThumbNet N3 SDR receiver ranging in price from \$25 to \$33 depending on options. I have one and it works great with the freeware available to talk to this receiver.

The project offers free files for 3D printing many of the components needed to build an Az-El tracking antenna mount which can be connected to a freeware tracking program. The website has full plans for building the complete antenna system. This is a great project to investigate and use to get students engaged in multi-faceted engineering.

Here's looking up at you.
73,
de Randy WU2S

Snowbird Check-In

With Gene (WO2W) and Randy (WU2S)...any others? down in Florida for the Winter, Ed (WX2R) will look to host a 2meter net on the club repeater Monday's at 2000. They both will check in on Echolink and so can you if you're not in range of the machine. All are welcome to check in and join in the conversation. And...since we won't repeat gossip, listen carefully. :)

What's In Your Logbook?

Pete (KD2BMX) sends along some interesting contacts from his December log...thanks!!

VP5/W5CW	- 17M - CW - Turks & Caicos Is	- 12/07/16 - 1337UTC
TR8CA	- 17M - CW - Gabon	- 12/28/16 - 1439UTC
TR8CA	- 20M - CW - Gabon	- 12/18/16 - 1751UTC
ZB2TT	- 15M - CW - Gibraltar	- 12/18/16 - 1501UTC
EA8TL	- 15M - CW - Canary Islands	- 12/18/16 - 1503UTC
OF9X	- 20M - CW - Santa Claus World	- 12/25/16 - 1256UTC
HB0/NZ1C	- 20M - CW - Liechtenstein	- 12/25/16 - 1603UTC
FY5FY	- 17M - CW - French Guiana	- 12/25/16 - 1621UTC

From Joe (K2JK) who sends along the following:

12/11 5R8IC	MADAGASCAR	17M CW
12/11 PJ4/DJ2VO	BONAIRE	17M CW
12/11 VP5/W5CW	TURKS & CAICOS	17M CW
12/11 TR8CA	GABON	17M CW

From Ed (WX2R):

1/7/17 K0IDX	North Dakota	14.070 PSK31
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Ed-itorial

I recently recalled a conversation by Toshiro Yamada, one of the early pioneers in continuous improvement in post-war Japanese manufacturing. During the 1960's, he had visited many of US automotive plants including the famous GM River Rouge facility in Dearborn to learn about how to create state-of-the-art techniques that are now labeled as "lean," "Kaizen" or "CI."

A quarter century later, with Japan now leading the quality manufacturing movement, he returned to Dearborn for a sentimental visit. He was dismayed by what he saw. "You know, the plant was exactly the same as it had been 25 years ago".

Looking back at past pictures of our clubhouse for the 60th anniversary newsletters, I thought about Yamada's observation.

How much has the club changed? The equipment has been certainly updated but how much of the "new ham technology" have we introduced and put into action by club members? How do we use the club's assets to grow participation?... get more involved?...learn from each other?

My personal goals this year are to learn more about low power digital modes, satellite, and propagation in a waning sunspot cycle. How about you? How do we improve our skills so it's not like it was..."back then"?

de Ed WX2R

Congratulations!!

Pete (KD2BMX) reports that we had a total of two (2) candidates served for VE Amateur Radio Testing at our December session.

1 (one) Technician Class Licenses was earned.

1 (one) General class License was earned.

David Gotlib	KD2MOB	Technician
James P. Nicholas	KD2MIX	General

FLARC TO VISIT THE FAIR LAWN CHAMBER OF COMMERCE

Ed (WX2R), our PIO, has been invited to talk about the club and its role in Fair Lawn on February 21st. The invitation came about by our participation at the September Fair Lawn Street Fair around our 60th anniversary activities.

Originally scheduled for January 17th, the Chamber requested a date change at the request of Mayor Cosgrove.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception.

The club meets every Friday at 7PM at the club station at The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM. **Visitors are always welcome at our meetings.**

FLARC operates the W2NPT repeater (145.470- PL **167.9**) located atop the Community Center. The repeater is open to all amateurs for use without restrictions.

The club has approximately 100 members. Dues are currently \$25 per year.

For more information, please see our website, <http://membership.FairLawnARC.org>.

Thanks To Our VE's!

The FLARC VE team has provided Amateur Radio Testing for fifty-five (55) candidates for year 2016. Our special thanks to the following VE's who helped these candidates reach their ham goals:

(In alphabetical order):

Kai Chen K2TRW
Ed Efchak WX2R
Thomas Guida W2XTZ
Joe Lannuirer K2JK
Robert Merrit KC2ORX
Gene Ottenheimer WO2W
Roger Ringers K2RRB
Robert Rogan K2OFC
Peter Senesi KD2BMX
Tom Stefanic N2ST
Chris Sweisberger W2TU



Good Tech News

Paul (W2IP) reports that the 145.470 Repeater with DMR capability is back in service as of 12:45 P.M. December 22nd.

Don't forget that the repeater is also Echolink capable so if you're away from home you can always catch up with what's happening at the club.

To learn about Echolink, visit <http://echolink.org/>

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

January 2016 Meeting Notes

President Judith KC2LTM called the meeting to order at 7:32 PM on January 6, 2017.

The members rose and recited the Pledge of Allegiance.

President Judith KC2LTM asked if there were any visitors present. Several people visiting the club identified as Lee KD2DRS, Rick N2ZJY, new member Elliot KD2KLR, and new member David KD2MOB. Secretary Randy WU2S called the roll of officers and trustees and all except Vice President Fred W2ABE and Trustee Dave N8MAR were present. There was a quorum present to conduct club business.

Secretary Randy WU2S announced that the minutes from the December meeting were emailed to all members and that they had also been published in the latest edition of the club's newsletter, The Resonator. Brad KD2GNY moved to accept the minutes as published and Ed WX2R seconded the motion. The motion passed by acclamation.

Treasurer Nancy N2FWI read the current financial report and urged members to remit their annual dues as soon as possible. Al WA2OWL moved to accept the Treasurer's report as read and Larry WA2ALY seconded the motion. The motion passed by acclamation. President Judith KC2LTM opened a discussion of old business.

Ed WX2R offered a short retrospective on the club's accomplishments during our 60th anniversary in 2016.

President Judith KC2LTM announced that she is working closely with Superintendent Jimmy Graff to obtain the facilities which the club needs during the coming year. The Card Room is reserved on the first Friday monthly for our business meetings. On January 20, we will use the Senior Center for our guest speaker's presentation. She said we have Area A and the Pavilion in Memorial Park for the weekend on June 24-25 for Field Day.

President Judith KC2LTM asked Jim W2JC to tell the members about recent charitable donations. Jim told the members about participation in a "secret Santa" effort that benefited people who could not otherwise afford holiday gifts.

January 2016 Meeting Notes (2)

Jim W2JC also informed members about efforts to manage FLARC QSL cards. Jim enters the club's contacts into Logbook of the World, eQSL and QRZ. This way FLARC helps others who seek confirmation of their contact with us. Jim also reminded members to use the logbook at operating positions 2 and 4 to record any QSOs made at the club. He said that FLARC is just three states short of qualifying for a Worked All States (WAS) award.

President Judith KC2LTM reported that the club received notice of a Kids Day in New Providence. She mentioned that there will be a Fair Lawn street in June and October. She is planning to reserve the Senior Center for our annual auction and holiday dinner as we did during the last year. President Judith KC2LTM said that she decided that three other members are now able to open the club facilities: Karl W2KBF, Al A2OWL and Thom W2XTZ. Brad KD2GNY announced that he is interested in organizing a Winter Field Day on January 28-29 and asked for members to contact him if they are interested in participating. Brad asked about the use of a beam during the regular Field Day. Steve WA2BYX replied that the old beam was sold and that we plan to use a wire antenna for many bands.

Secretary Randy WU2S reported for the Tech Committee that the mesh nodes now have a tunnel to the tunnel server at WU2S-WT. Many more mesh nodes are now visible, including points in New Zealand at ZL2AQY and others. He also noted that Paul W2IP changed the PL tone on the W2NPT repeater to 167.9 Hz.

Ed WX2R reported for the Publicity Committee. For the speaker program, we will use the Senior Center for outside speakers and the Community Center for club member speakers. Our use of social media is growing successfully. Ed said that he will speak at a Fair Lawn Chamber of Commerce meeting in February. The committee will send out a member survey soon and request that all members respond to it as soon as possible. He also asked about participation in an Earth Day event at Great Falls again this year. Karl W2KBF said the event would be on a Friday so that Paterson school children could participate.

January 2016 Meeting Notes (3)

Also for the Publicity Committee, Thom W2XTZ said that he would not be able to record video at the next speaker presentation on January 20 but that Joe Stavitsky had volunteered to do so. Thom asked for ideas to keep the videos in permanent storage for the club's future use.

Ed WX2R displayed the first-place plaque the club received for participation in the annual NJ QSO Party. Van W2DLT Asked members to submit their questions to the FLARC webmaster for the January 20 presentation by Frank W3LPL. He announced that the club would participate in the annual ARRL North America QSO Party on January 21-22 and the VHF contest on that same weekend. He asked interested members to contact him.

Gordon W2TTT asked about holding a combined Portable Day again with BARA. President Judith KC2LTM said that she will talk to Jim K2ZO about the events and reserve Memorial Park. Brad KD2GNY suggested that we have some coordination at the next Portable Day so that operators don't interfere with each other's signals. Ed WX2R said that we should invite the public to these events too.

Ed WX2R announced that we had received an inquiry from an amateur radio astronomy group who asked if we would preview and critique a video that they produced to introduce radio astronomy concepts. Ed said that we are working to schedule a date for the viewing.

George W3EH noted that this weekend is the Ham Radio University on Long Island and asked if anyone else were going.

Karl W2KBF announced that Steve WA2BYX is the Fair Lawn RACES coordinator for the club.

Ed WX2R said that he is organizing an Echolink net for Florida "snow birds" like Gene WO2W to start soon on Tuesdays at 8:00 pm.



January 2016 Meeting Notes (4)

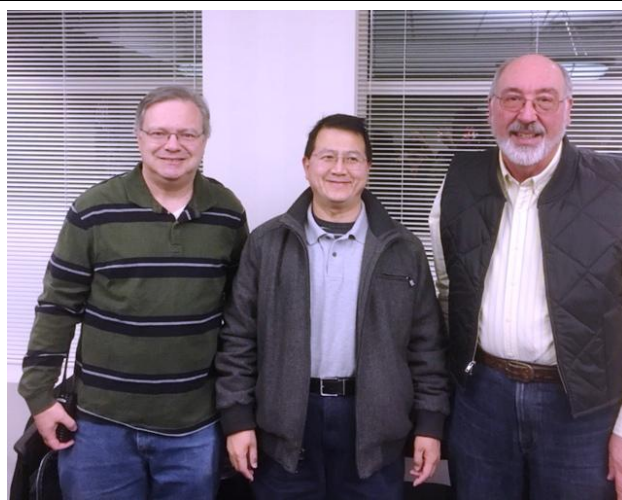
Having no further business, President Judith KC2LTM asked for a motion to adjourn. Thom W2XTZ so moved and Al WA2OWL seconded the motion. The members present voted in favor and the meeting was adjourned at 8:35 p.m.

Respectfully submitted,

Randy WU2S, Secretary



Judith (KC2LTM) gets FLARC Year 61 underway.



New members Dave (KDMOB), Elliott (KD2KLR) and Rick (N2EJY) (L to R) attend their first business meeting.

Yearly Blog Traffic

2016 was **the** year of social media for FLARC with the active addition and utilization of Facebook, Twitter and YouTube to our club marketing. We'd like to think it's also reflected in our web and blog traffic as the yearly data clearly shows:

Year	Views	Visitors	Posts
2013	485	223	10
2014	2,945	811	31
2015	3,261	897	87
2016	4,669	1,324	198

Quite an increase...thanks for checking in!!

A Look Back

You don't see many cards like these around these days-- a 1962 QSO between Dick Kuiken (K2TAF) of the club with a Swedish ham.



A First Place For FLARC!



This Certifies That

FAIR LAWN AMATEUR RADIO CLUB W2NPT

Is Awarded

FIRST PLACE BERGEN COUNTY

In The 2016 Running of The New Jersey QSO party.

Burlington County Radio Club

Robert Nelson **K2QPN** Don Cornington **AK2S**

Contest Chairman

President

ARRL CEO Tom Gallagher (NY2RF) Helps FLARC Close Our 60th Anniversary Year!!

A crowd of nearly 70 came to the Senior Center on December 9th to hear Tom talk about the ARRL's ongoing plans and the future of amateur radio. We were honored to have him!!
Tom's presentation can be found on the FLARC blog...check it out.



The ARRL presented FLARC with a 60th birthday cake hand-delivered by CEO Tom Gallagher (NY2RF)



Tom (NY2RF) outlines his plans for growing the ARRL in 2017



Part of the FLARC crowd with Tom presenting



ARRL Hudson Division Director presents a 60th anniversary plaque to the FLARC board with Tom (NY2RF) and Vice Director Bill Hudzik (W2UDT) looking on.



FLARC PIO Ed Efchak (WX2R) presents NY2RF with copies of the club's 2016 commemorative QSL cards to close the proceedings.